Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/10/2021 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125551	0	2.94	125720	2.96
Blue	F	SSC	125000	126061	0	4.12	126866	4.06
Blue	E	FITC	14203	13846	-3	2.95	300	15.39
Blue	D	PE	25703	25761	0	2.71	559	10.91
Blue	B	PerCP-Cy5-5	42104	41345	-2	3.43	925	14.55
Blue	A	PE-Cy7	34646	34542	-1	4.69	502	29.74
Red	C	APC	49824	49706	-1	3.15	1523	11.38
Red	A	APC-Cy7	39773	39149	-2	3.22	742	11.79
Violet	B	V450	7447	7235	-3	3.78	421	11.81
Violet	A	V500	31193	30164	-4	3.64	688	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21598	2.85	553	-3	N/A	N/A	Pass
Blue	F	SSC	55783	3.11	516	4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	485	-1	0.0396	93	Pass
Blue	D	PE	110	38.02	488	3	0.3305	220	Pass
Blue	B	PerCP-Cy5-5	178	36.48	578	1	0.0199	105	Pass
Blue	A	PE-Cy7	114	64.06	623	3	0.0209	0	Pass
Red	C	APC	357	23.96	570	3	0.0287	133	Pass
Red	A	APC-Cy7	206	24.28	546	2	0.0061	553	Pass
Violet	B	V450	91	39.85	454	5	0.0570	1915	Pass
Violet	A	V500	120	26.74	471	4	0.0242	243	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.62	-31.41	0.99
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.28	15.99 - 23.99	N/A	N/A	29.86	30.06	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10662

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments